

IAP16 Rec'd PCT/PTD 25 SEP 2006  
10/594095

Practitioner's Docket No. BH-003-PUS

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent application of: Huimin Kong, Yan Xu

for *Helicase-Dependent Amplification of Circular Nucleic Acids*, the specification of which is being transmitted herewith.

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)
2. Copies of Listed Information Items Accompanying This Statement
3. Identification of Person(s) Making This Information Disclosure Statement

---

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***

(When using Express Mail, the Express Mail label number is mandatory;  
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

X deposited with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

37 C.F.R. § 1.8(a)

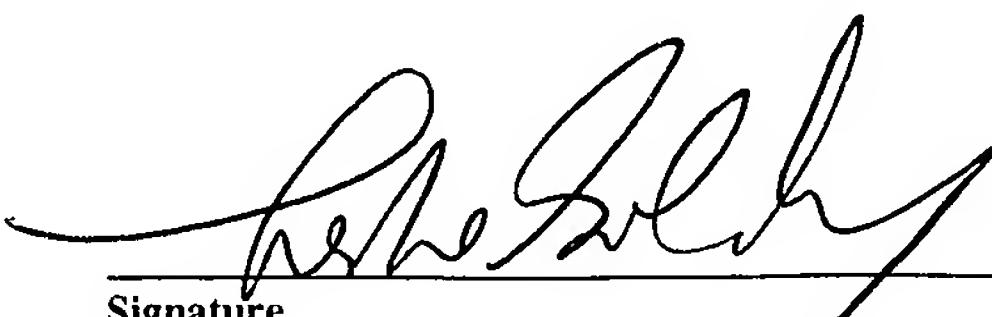
with sufficient postage as first class mail.

37 C.F.R. § 1.10\*

X as "Express Mail Post Office to Addressee"  
Mailing Label No. EQ 611795100 US (mandatory)

TRANSMISSION

facsimile transmitted to the Patent and Trademark Office, (571) 273 - 8300.



Signature

Date: 25 September 2006

Leslie Goldberg  
(type or print name of person certifying)

\* Only the date of filing (' 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under ' 1.8 continues to be taken into account in determining timeliness. See ' 1.703(f). Consider "Express Mail Post Office to Addressee" (' 1.10) or facsimile transmission (' 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

**Section 1.      Forms PTO/SB/08A and 08B (formerly Form PTO-1449)**

(Insert form(s) PTO/SB/08A [Form 6-2] and/or form(s) PTO/SB/08B [Form 6-2.1].)

**Section 2. Copies of Listed Information Items Accompanying This Statement**

Legible copies of all items listed in Forms PTO/SB/08A and 08B (substitute for Form PTO-1449) accompany this information statement.

AA-AG (copies not enclosed); CA; BA-BU

IAP16 Rec'd PCT/PTO 25 SEP 2006  
101594095

**SECTION 2. FORMS PTO/SB/08A and 08B (formerly Form PTO-1449)**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants:	Kong et al.	Attorney Docket:	BH-003-PUS
Serial No:	Not yet assigned	Art Group Unit:	Not yet assigned
Date Filed:	Herewith	Examiner Name:	Not yet assigned
Invention:	Helicase-Dependent Amplification of Circular Nucleic Acids		

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE STATEMENT**

<b>U.S. PATENT DOCUMENTS</b>					
<b>Examiner Initials</b>	<b>Reference Number</b>	<b>Document Number</b>	<b>Issue / Pub. Date</b>	<b>Inventor</b>	<b>Class/Subclass</b>
	AA	US 4,683,195	07/28/1987	Mullis et al.	C12Q 1/68
	AB	US 4,683,202	07/28/1987	Mullis	C12P 19/34
	AC	US 4,800,159	01/24/1989	Mullis et al.	C12N 15/00
	AD	US 2004-0058378 A1	03/25/2004	Kong et al.	C12Q 1/68
	AE	US 5,455,166	10/03/1995	Walker	C12P 19/34
	AF	US 5,470,723	11/28/1995	Walker et al.	C12Q 1/68
	AG	US 5,354,668	10/11/1994	Auerbach	C12Q 1/68

<b>FOREIGN PATENT DOCUMENTS</b>					
<b>Examiner Initials</b>	<b>Reference Number</b>	<b>Document Number</b>	<b>Issue / Pub. Date</b>	<b>Applicant</b>	<b>Class/Subclass</b>
	CA	International Search Report	12 August 2005	BioHelix Corp.	

<b>OTHER DOCUMENTS</b>			
<b>Examiner Initials</b>	<b>Reference Number</b>	<b>Author</b>	<b>Title of Article, Title of Journal, Volume Number, Page Numbers, Date</b>
	BA	Dean, et al.	Genome Res. 11: 1095-1099 (2001).
	BB	Fire, et al.	Proc. Natl. Acad. Sci. USA 92: 4641-4645 (1995).
	BC	Kim, et al.	J. Mol. Biol. 321: 807-819 (2002).
	BD	Kim, et al.	J. Biol. Chem. 267: 15032-15040 (1992).
	BE	Kornberg, et al.	DNA Replication, W.H. Freeman and Company, NY, NY, 2 <sup>nd</sup> edit., Chapter 11 (1992). (other sections available upon request)
	BF	Korpela, et al.	Nuc. Acid Res. 19: 4967-4973 (1991).
	BG	Lechner, et al.	J. Biol. Chem. 258: 11185-11196 (1983).

16 PCT/PTO 25 SEP 2006  
10/594095

	BH	Lizardi, et al.	Nature Genetics 19: 225-232 (1998).
	BI	Lui, et al.	J. Am. Chem. Soc. 118: 1587-1594 (1996).
	BJ	Mechanic, et al.	J. Biol. Chem. 275: 38337-38346 (2000).
	BK	Mendez, et al.	BioEssays 25:1158-1167 (2003)
	BL	Nilsson, et al.	Science 265: 2085-2088 (1994).
	BM	Notarnicola, et al.	J. Biol. Chem. 272: 18425-18433 (1997).
	BN	Sano, et al.	Science 258: 120-122 (1992).
	BO	Schweitzer, et al.	Proc. Natl. Acad. Sci. USA 97: 10113-10119 (2000).
	BP	Studier	Virology 95: 70-84 (1979).
	BQ	Tabor, et al.	J. Biol. Chem. 264: 6647-6658 (1987).
	BR	Tinsley, et al.	J. Bacteriology 186: 2717-2723 (2004).
	BS	Yamaguchi, et al.	J. Biol. Chem. 273: 9197-9201 (1998).
	BT	Yu, et al.	J. Bacteriol. 183: 1862-1869 (2001).
	BU	Zhang, et al.	Gene 211: 277-285 (1998).

Examiner Signature: \_\_\_\_\_

Date Considered: \_\_\_\_\_

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation *if not* in conformance and not considered. Include copy of this form with next communication to applicant.

IAP16 Rec'd PCT/PTO 25 SEP 2006  
101594095

**Section 3. Identification of Person Making This Information Disclosure Statement**

The person making this certification is:

a. the practitioner who signs below on the basis of the information in the practitioner's file.

Date: 25 September 2006

Harriet M. Strimpel  
Harriet M. Strimpel, D.Phil.  
Registration No. 37,008  
New England Biolabs, Inc.  
240 County Road  
Ipswich, MA 01938  
US  
978-380-7373  
Customer No. 28986